

产品规格 Product Specifications

项目名称 Project	技术参数 Technical Parameters	备注 Remarks
设备尺寸 (长x宽x高) (mm) Equipment Size (LxWxH) (mm)	6500x4800x3450	占地尺寸 Occupation Size
物料残留率 Material Residue Rate	0.05%	物料无粘性 Material is non-sticky
设备负载 Equipment Load (kg)	1000	适用垛包高度: 1.5米以内 Applicable stack height: within 1.5 meters
拆包能力 (包/小时) Unpacking Capacity (bags/hour)	400~600	\
适用小袋规格 Applicable Small Bag Weight (kg)	20~25	\
适用托盘 Applicable Pallet (mm)	Max: 1400*1200 Min: 1100*1100	可定制 Customizable
装机功率 Installation Power (kW)	11	380VAC/50Hz, 三相五线制 Three-phase five-wire system
气源压力 Air Source Pressure (MPa)	> 0.5	50L/Min
设备净重 Net Weight of Equipment (T)	7.5	\
适用料袋 Applicable Bag	纸袋、聚乙烯编织袋、塑料袋等 Paper bags, polyethylene woven bags, plastic bags, etc.	不适用双层袋 Not suitable for double-layer bags
适用物料 Applicable Material	码垛较为平整的颗粒料或低粉尘量的晶体料 Palletized relatively flat granular material or low dust crystalline material	\

注: 本设备为定制产品, 可配合系统定制调整  
Note: This device is a customized product and can be tailored to work with a specific system.

定制服务 Customized Service

不仅是产品, 更为您提供定制化解决方案  
根据客户的物流方向、车间布局、托盘规格等实际生产工况, 提供个性化设计方案, 设计符合工艺需求的设备, 契合不同产线及应用环境需求  
模块化设计, 可根据需要对设备进行针对性改造、升级与优化

Not only products, but also customized industrial solutions  
Based on the customer's logistics direction, workshop layout, pallet specifications, and other actual production conditions, we provide customized design solutions tailored to meet process requirements, align with different production lines, and accommodate various application environments

Modular design with potential for future revamp, upgrade and optimization

让物料处理更简单  
Making Material Handling Simpler

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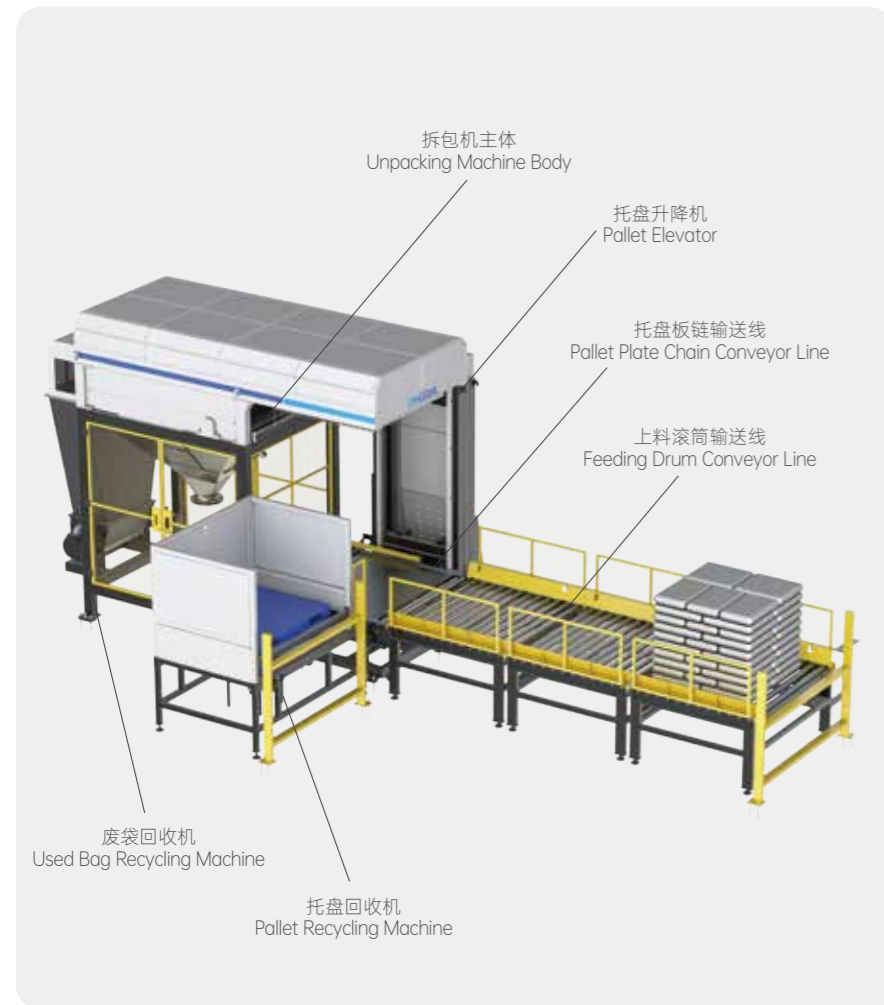
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Small Bag  
Unpacking Machine  
层装式小袋拆包机

- Intelligent control, automatic unpacking, discharging, and recycling  
智能化控制, 自动拆包卸料、回收
- Automatic cleaning and shaking off residual materials, with low residue rate  
自动清料抖袋, 残留率低





### 层装式小袋拆包机 Small bag unpacking machine

层装式小袋拆包机适用于25kg袋装粉粒状物料的批量拆包作业，通过逐层抓取码垛堆叠的小袋物料进行拆包，大大提高产能，降低劳动强度，并实现大批量、高效率的自动化生产。

The small bag unpacking machine (layer by layer) is suitable for batch unpacking of 25kg bagged powder and granular materials. It greatly improves productivity, reduces labor intensity, and achieves large-scale, high-efficiency automated production by unpacking the stacked small bags layer by layer.

### 产品特点 Product Highlights

- 可适用范围广，针对多种材质包装袋，多种规格托盘均可适用
  - 自动化程度高，从托盘上线、到空托盘堆垛、废袋回收，均可自动化生产
  - 产能高，物料残留率低
  - 运行安全可靠，运动部件均作防护，设置电气及机械双重保护，程序有电气互锁，防止误操作
  - 模块化/定制化设计，可根据实际生产规划设计符合工艺需求的设备
- Wide Applicability: Suitable for various material packing bags and pallets of different sizes
  - High Automation: From pallet feeding to empty pallet stacking and used bag recycling, all processes can be automated
  - High production capacity with low material residue rate
  - Safe and Reliable Operation: Protective measures are implemented on moving parts, with both electrical and mechanical safeguards in place, including electrical interlocking to prevent misoperation
  - Modular/Customized Design: Equipment can be tailored to meet specific process requirements based on actual production planning

### 行业解决方案 Industry Solutions



工程塑料 Engineering Plastic



预混料 Premixed Material



涂料 Painting



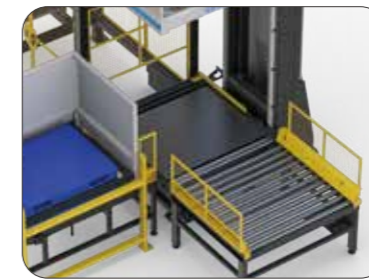
高分子复合材料 Macromolecule Composite



制药 Pharmaceutical



精细化工 Fine Chemicals



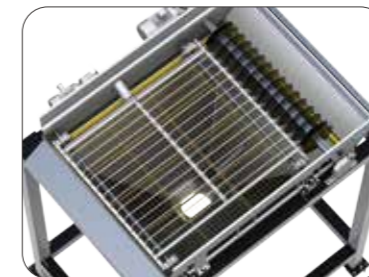
系统采用PLC控制，每个动作及工序都设置有检测开关，从托盘上线、到空托盘堆垛、废袋回收，实现自动化生产。

The system is PLC-controlled, with detection switches set for each action and process. From pallet feeding to empty pallet stacking and used bag recycling, automated production is achieved.



气动抓具，逐层自动抓取料袋，稳定高效。

Pneumatic grippers automatically grasp bags layer by layer, ensuring stability and efficiency.



切袋清袋部件，自动切袋卸料，清除物料残留。设置格栅，防止异物进入料仓。

Bag cutting and cleaning components automatically cut bags and discharge materials, removing any residue. Grates are installed to prevent foreign objects from entering the bin.

料袋卸完料后，抓具小车自动将料袋送至废袋回收机处，无轴螺旋收袋机将废袋压装至回收袋。节省人力，保持生产现场整洁有序。

After discharging the material from the bag, the grabber trolley automatically transports the bag to the used bag recycling machine, where a shaftless screw bag collector compacts the used bag for recycling. This process saves labor and maintains a tidy and orderly production environment.



上料输送线、托盘升降机、拆包机主体、托盘回收机等功能模块化设计，可根据实际生产规划设计符合工艺需求的设备。

The functions of the feeding conveyor, pallet elevator, unpacking machine body, and pallet recycling machine are all modularly designed, allowing for the customization of equipment to meet the specific process requirements of actual production planning.